Exhibit 493-2

A Dictionary of
Computer
Science

SEVENTH EDITION

OXFORD
UNIVERSITY PRESS

OXFORD
UNIVERSITY PRESS

where logic 1 is assigned to the higher voltage level; in **negative logic** circuits a logic 1 is indicated by the lower voltage level. *See also* MULTIVALUED LOGIC.

logic symbols A set of graphical symbols that express the function of individual *logic gates in a *logic diagram. The most common symbols are those for the simple Boolean functions and for flip-flops, as shown in the diagram.

login (logon) The process by which a user identifies herself or himself to a system. The terms are also used as verbs: log in, log on, or **sign on**. A system with many registered users will require each user to log in, and to produce some form of *authentication (such as a password) before allowing the user access to system resources. The login activity may also open an *accounting file for the session.

logistic function A ratio of sums of exponentials widely used in statistical analysis. The logistic function lies in the range (0,1), and its inverse, known as the **logit** of a proportion, is the logarithm of the odds-ratio (*see* ODDS).
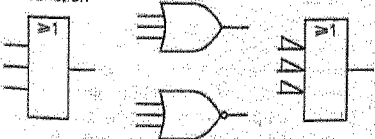
logit *See* LOGISTIC FUNCTION.

Logo A programming language developed for use in teaching young children. Logo is a simple but powerful language: it incorporates the concept of *procedures, and helps children to think algorithmically. The original version of Logo incorporated *turtle graphics.

Combinational logic symbols

AND function
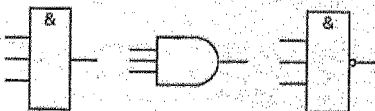
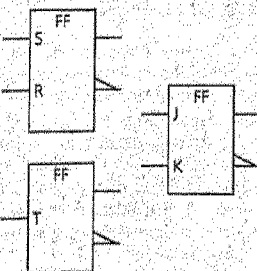OR function

exclusive-OR function

Indicator symbols

negation indicator

polarity indicator

Flip-flops

Logic symbols. Commonly used logic symbols